

SAFETY RECALL CODE 0813 - SIDESTAND SWITCH

GENERAL

Buell Motorcycle Company has learned that certain 1996 through 1999 Buell motorcycles were built with a sidestand switch that could become inoperative. This condition could cause the engine to stall or quit when riding which could result in an accident. Accordingly, Buell Motorcycle Company is conducting a voluntary recall campaign to formally recall all potentially affected motorcycles.

This campaign involves all 1996 through 1999 S1 Lightning, S1 White Lightning, X1 Lightning, M2 Cyclone, S3 Thunderbolt and S3T Thunderbolt model Buell motorcycles manufactured between January 20, 1995 and April 21, 1999.

This condition will be remedied by replacing the sidestand switch on all potentially affected vehicles.

DEALER ACTION, AFFECTED VEHICLES

Buell Distribution Corporation has attached a complete list of all vehicles shipped to your dealership involved in this recall. To ensure the safety of all affected riders, it is your responsibility to perform the required service on all affected vehicles, even if the motorcycle was not purchased from your dealership.

If you are not sure that a safety recall has been completed on a particular Buell motorcycle, contact the recall information line at 1-800-448-1708. Recall information is also available on TALON and hd-net.com.

IMPORTANT NOTE

Because only registered owners, as shown on the attached list, will receive notification from Buell Distribution Corporation, we request that you contact any owners of vehicles still listed as unregistered. Advise them of the safety recall and make arrangements for them to come in for recall service. We also require that you provide us with their names, addresses and V.I.N.s as soon as possible. This will enable us to mail them an owner's letter as required by National Traffic and Motor Vehicle Safety Act, as amended.

Initial shipment of recall kits, Part No. 93921Y, will begin on or before June 28, 1999. All kits will be shipped direct from the Franklin Distribution Center, no charge, transportation paid. To order the remainder of kits that may be needed, please fill out the attached order form and send/fax it to the Warranty Department at (FAX) 414-343-8346.

Buell Distribution Corporation reserves the right to conduct wave shipments in lieu of processing orders and/or adjusting order quantities, depending on the availability of parts.

The sidestand switch recall kit (Part No. 93921Y) consists of:

- Sidestand Switch
- Sidestand Bumper, Conical Design
- Sidestand Bumper, Cylindrical Design
- Spacer Washers. (3)

REMOVAL

NOTE

Perform the following procedures according to the guidelines given in the service manual for the model being serviced.

WARNING

Always disconnect the negative battery cable when working on a motorcycle to prevent accidental start-up. If the positive cable should contact ground with the negative cable installed, the resulting sparks may cause a battery explosion which could result in death or serious injury.

1. Disconnect negative battery cable.
2. See Figure 1. Unplug sidestand switch wiring from connector.
3. Remove switch from vehicle frame and discard.

NOTE

See Figures 1, 2 and 3. The current sidestand switch can be differentiated from the replacement one by noting the differences in the plunger. The current plunger is made of white plastic and has a flat tip. The plunger of the replacement switch is made of metal and has a round tip.

INSTALLATION

Sidestand Switch

1. Thoroughly clean the switch frame mounting area and threads.
2. Install switch into frame so that plunger is facing down. Torque to 25-35 **in. lbs.** (2.8-4.0 Nm).

ROUTING	SERVICE MANAGER	SALES MANAGER	PARTS MANAGER	LEAD TECHNICIAN	TECHNICIAN NO. 1	TECHNICIAN NO. 2	TECHNICIAN NO. 3	TECHNICIAN NO. 4	RETURN THIS TO:
INITIAL HERE									

CAUTION

Ensure that switch wiring does not contact swingarm in any position. If it does, the wire may become frayed and the switch inoperable.

3. Plug switch wiring into sidestand switch connector.

Sidestand Bumper

NOTE

See Figures 3 and 5. The objective of this procedure is to obtain both a **minimum** sidestand switch plunger depression of 0.125 in. (3 mm) **and** a **minimum** sidestand/swingarm clearance (Dimension "B") of 0.5 in. (13 mm) when the sidestand is in the retracted position.

X1 Vehicles

Removal and replacement of original sidestand bumper is not necessary.

NOTE

- See Figures 5 and 6. Dimension "B" is determined by measuring the distance perpendicular to the left outside surface of the swingarm to the sidestand dragger mount.
- See Figure 4. Dimension "A" is determined by measuring the distance perpendicular to the top side of the sidestand to the lower edge of the passenger footpeg front mount tab.

S3, S3T and M2 Vehicles

1. Remove and discard original sidestand bumper and spacer washers.
2. See Figures 4 and 5. Establish correct sidestand retraction angle by using either the new cylindrical bumper or the new conical bumper in conjunction with up to three spacer washers. The sidestand retraction angle is defined by Dimension "B". Dimension "B" must be within 0.500-0.625 in. (13-16 mm). Keeping Dimension "B" within specifications listed, measure Dimension "A". Dimension "A" must not exceed 3.125 in. (79 mm).
3. Using the bumper and washer combination determined in Step 2, place a small amount of LOCTITE THREAD-LOCKER 243 (blue) on the bumper threads and install it into the frame.
4. Hand tighten securely.

S1 and S1W Vehicles

1. Remove and discard original sidestand bumper and spacer washers.
2. See Figures 4 and 5. Establish correct sidestand retraction angle by using either the new cylindrical bumper or the new conical bumper in conjunction with up to three spacer washers. The sidestand retraction angle is defined by Dimension "B". Dimension "B" must be within 0.500-0.625 in. (13-16 mm). Keeping Dimension "B" within specifications listed, measure Dimension "A". Dimension "A" must not exceed 4.5 in. (114 mm).
3. Using the bumper and washer combination determined in Step 2, place a small amount of LOCTITE THREAD-LOCKER 243 (blue) on the bumper threads and install it into the frame.
4. Hand tighten securely.

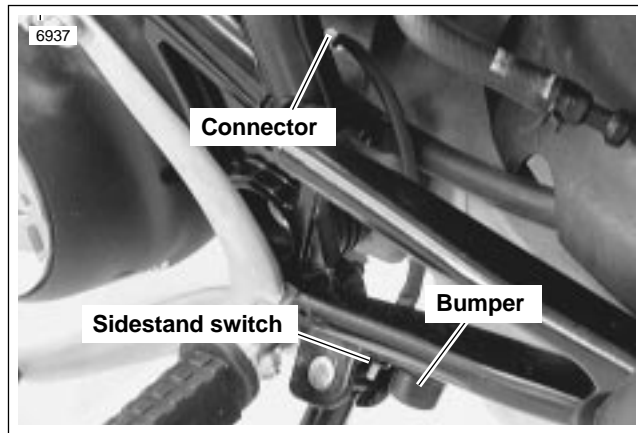


Figure 1. Original Sidestand Switch and Bumper

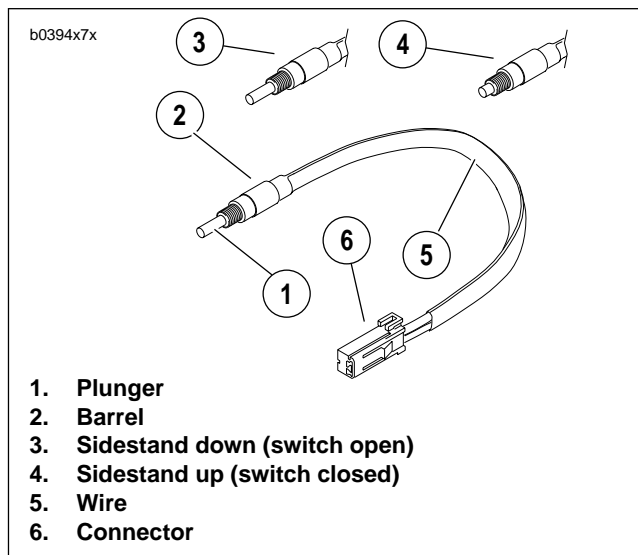


Figure 2. Original Switch Assembly

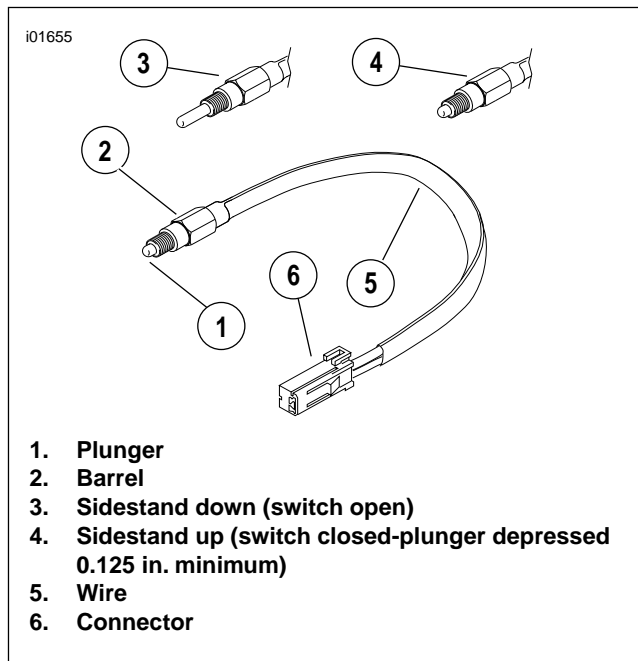


Figure 3. New Switch Assembly

Final Procedures

1. Connect negative battery cable.
2. Cycle (depress and release) sidestand switch plunger ten (10) times.
3. Start the vehicle and check that sidestand switch is operable. See appropriate service manual, Section 7 for procedure.

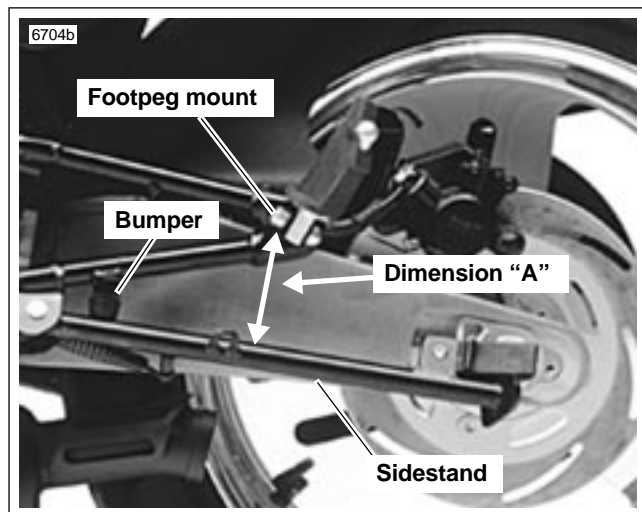


Figure 4. Dimension "A" Measurement

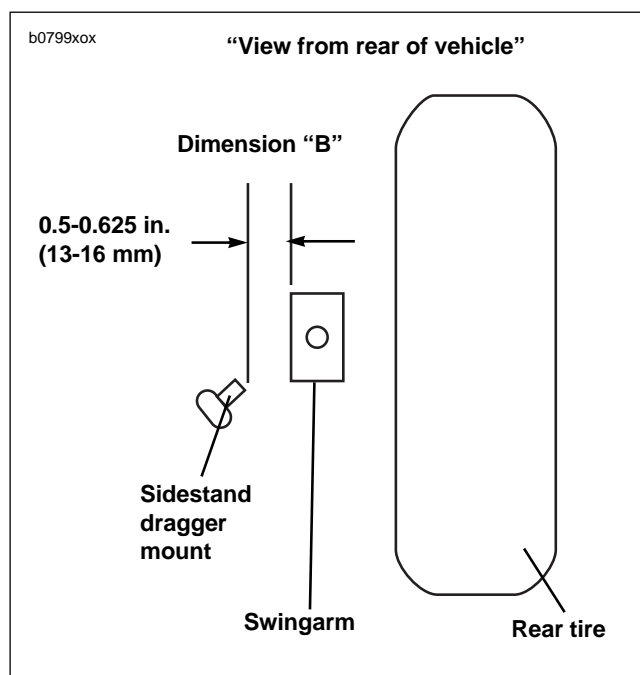


Figure 5. Dimension "B" Measurement

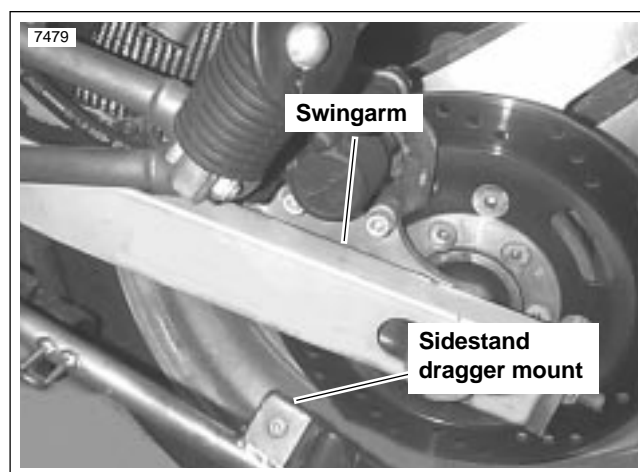


Figure 6. Component Identification

CREDIT PROCEDURES - VEHICLE REPAIR

For each vehicle serviced, place a "C" in the letter box on the Buell Dealer Service Card. Destroy and discard the original sidestand switch and, if replaced, the bumper. Send the properly completed dealer service cards to Buell Distribution Corporation. Upon receipt and processing of your properly completed dealer service cards, you will be credited for 0.5 hours for all models. This time includes 0.1 hour administrative time and your cost for LOCTITE. No credit will be issued for the kits as they were sent no charge, transportation paid.

CREDIT PROCEDURES - DEALER STOCK PARTS

Remove all affected sidestand switches (Part No. 50181-96Y from your inventory. To receive credit, complete a regular warranty claim referencing Service Bulletin B-023 in the "Description of Repair" section. Fill in the rest of the claim as follows.

Table 1. Credit for Parts

Claim Type	BDS
Quantity	See Note Below
Event 1, Problem Part No.	50181-96Y
Part Description	Sidestand Switch
Customer Concern Code	9205
Condition Code	9111

NOTE

"Quantity" may vary depending upon what you have in stock.

Upon receipt of properly completed claim for parts in dealer stock, you will receive the appropriate credit for parts. **Destroy and discard all affected parts from your stock.** Buell Distribution Corporation will advise at a later date how to order updated sidestand switches to replenish your stock. **Do not order the recall kits to restock your inventory!**



S
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NAME _____

ADDRESS _____

T
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CITY/STATE/ZIP _____

S H - P T O

TYPE CODE	ORDER TYPE	VEHICLE IDENTIFICATION NUMBER
R	REGULAR	
P	POLICE	
D	DOWN VEHICLE	
W	WARRANTY	

FOR OFFICE USE ONLY	
ACCT:	111-631.4
FRT: ACCT:	111-631.4

[illegible]

WARRANTY CODE 0813

ALL ORDERS SUBJECT TO ACCEPTANCE AT MILWAUKEE. WI 53201

All goods covered by this order, including goods back-ordered, will be billed at prices current at the time of shipment. Goods are purchased for resale and delivery is made to purchaser F.O.B. factory, Milwaukee, Wisconsin or other point of origin. If accepted this order as accepted shall be subject to availability of goods to seller for delivery to purchaser. Any delay in shipment shall not relieve purchaser of responsibility for the accepted order and seller shall not be liable for any loss or damage due to delay in shipment or failure to deliver. Any request for cancellation of this order or any part thereof must be received by seller prior to the time of shipment, in writing, and accompanied by a check for the full amount of the order. If the order is cancelled after the time of shipment, a cancellation charge of ten percent of the order price, plus one percent of the order price for each day of delay in shipment, and in case of reacceptance or return of goods to seller, purchaser shall pay the entire cost connected therewith, plus ten or twenty-five percent of shipping price, as determined by Company policy from time to time. As indicated damages for loss of sale. Purchases will be reasonable for collection and payment of all Federal, State and local taxes that apply on the sale of goods.

PLEASE USE PART NUMBERS

DO NOT USE FOR

CORRESPONDENCE

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IN U.S.A.